



**(Formerly Tata Refractories Limited)
Product Definition Sheet**

**TRL Cast AH 90
Supreme**

Revision No : 01

Date : 03.06.2020

Product Name	TRL Cast AH 90 Supreme
Product Description	High Purity Dense castable
Maximum Service temperature	1750°C
Disposal Recommendation	Must not be disposed together with household garbage. Do not allow products to reach sewage system.

CONTROL PROPERTIES

Chemical Analysis	Unit by wt	Value		Test Method
		Typical	Range	
Al ₂ O ₃	%	84.2	82 - 86	By Wet Chemical
SiO ₂	%	5.23		By Wet Chemical
Fe ₂ O ₃	%	1.65	1.4 - 1.8	By Wet Chemical
CaO	%	4.85		By Wet Chemical
Physical properties	Unit			
Bulk Density at 110°C/24 hrs	Kg/m ³	2630	2500 - 2700	BIS 10570
CCS at 110°C/24 hrs	N/mm ²	54.4	30 - 60	BIS 10570
CCS at 1400°C/3 hrs	N/mm ²	47.6	20 - 50	BIS 10570
CCS at 1500°C/3 hrs	N/mm ²	75.9	40 - 90	BIS 10570
PLC at 800°C/3 hrs	%	- 0.15		BIS 10570
PLC at 1100°C/3 hrs	%	- 0.22		BIS 10570
PLC at 1500°C/3 hrs	%	- 1.78	≤ - 2.5	BIS 10570
PCE	°C	+ 1760	≥ 1760	IS 1528
Maximum Grain size	mm	98.5% passing through 5 mm	≤ 5	
Shelf Life	9 months from the date of manufacture			
Technology Manager				Signature:
Contact Address	TRL Krosaki Refractories Limited P.O.- Belpahar, Dist.- Jharsuguda, Odisha, Pin- 768 218, INDIA Phone: 91-6645-250286 Information department: Technology Division			

N.B: 95% Min. will pass through the maximum grain size indicated.